

J. Weber



1600

#21

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/483,543B

DATE: 10/15/2002
 TIME: 11:47:39

Input Set : A:\EP.txt
 Output Set: N:\CRF4\10152002\I483543B.raw

ENTERED

4 <110> APPLICANT: Muir, Tom
 5 Cotton, Graham
 6 The Rockefeller University
 8 <120> TITLE OF INVENTION: Multiple Sensor-Containing Polypeptides,
 9 Methods of Preparation and Uses Thereof
 11 <130> FILE REFERENCE: RU 453
 13 <140> CURRENT APPLICATION NUMBER: 09/483,543B
 14 <141> CURRENT FILING DATE: 2000-01-14
 16 <160> NUMBER OF SEQ ID NOS: 10
 18 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 8
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Cleavage Site for PreScission Protease
 29 <400> SEQUENCE: 1
 30 Leu Glu Val Leu Phe Gln Gly Pro
 31 1 5
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 12
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Artificial Sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: Peptide Substrate
 42 <400> SEQUENCE: 2
 43 Glu Ala Ile Tyr Ala Ala Pro Phe Ala Lys Lys Lys
 44 1 5 10
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 64
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Primer
 55 <400> SEQUENCE: 3
 56 aaaagaaaaa aaggcgggccg ctcggatctg atcgaaggtc gttgtgcggg caacttcgac 60
 57 tcgg 64
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 40
 69 <212> TYPE: DNA
 70 <213> ORGANISM: Artificial Sequence
 72 <220> FEATURE:
 73 <223> OTHER INFORMATION: Primer

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75 <400> SEQUENCE: 4
76 gcaaaactggc tcttccgcag ccgctgaagt cctcatcggg
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 18
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Xa-Cys-(Crk-II)-Intein-CBD Construct
87 <400> SEQUENCE: 5
88 Met Ala Ser Ser Arg Val Asp Gly Gly Arg Ser Asp Leu Ile Glu Gly
89 1 5 10 15
90 Arg Cys
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 18
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Cys-F1-PS-Biotin Construct
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: 3
104 <223> OTHER INFORMATION: Xaa = Lys-[Dapa(F1)]
106 <220> FEATURE:
107 <221> NAME/KEY: misc_feature
108 <222> LOCATION: 17
109 <223> OTHER INFORMATION: Xaa = [Lys-(Biotin)]
111 <400> SEQUENCE: 6
W--> 112 Cys Gly Xaa Gly Leu Glu Val Leu Phe Gln Gly Pro Val Arg Lys Gly
113 1 5 10 15
W--> 114 Xaa Gly
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 11
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: High affinity ligand for the N-SH3 Domain of Crk
125 <400> SEQUENCE: 7
126 Pro Pro Pro Ala Leu Pro Pro Lys Arg Arg Arg
127 1 5 10
133 <210> SEQ ID NO: 8
134 <211> LENGTH: 318
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Protein Kinase Target
141 <220> FEATURE:
142 <221> NAME/KEY: misc_feature
143 <222> LOCATION: 311
144 <223> OTHER INFORMATION: Xaa = Lys-[Dapa(F1)]

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146 <400> SEQUENCE: 8

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147 Lys Arg Gly Cys Ala Gly Asn Phe Asp Ser Glu Glu Arg Ser Ser Trp
148 1 5 10 15
149 Tyr Trp Gly Arg Leu Ser Arg Gln Glu Ala Val Ala Leu Leu Gln Gly
150 20 25 30
151 Gln Arg His Gly Val Phe Leu Val Arg Asp Ser Ser Thr Ser Pro Gly
152 35 40 45
153 Asp Tyr Val Leu Ser Val Ser Glu Asn Ser Arg Val Ser His Tyr Ile
154 50 55 60
155 Ile Asn Ser Ser Gly Pro Arg Pro Pro Val Pro Pro Ser Pro Ala Gln
156 65 70 75 80
157 Pro Pro Pro Gly Val Ser Pro Ser Arg Leu Arg Ile Gly Asp Gln Glu
158 85 90 95
159 Phe Asp Ser Leu Pro Ala Leu Leu Glu Phe Tyr Lys Ile His Tyr Leu
160 100 105 110
161 Asp Thr Thr Thr Leu Ile Glu Pro Val Ala Arg Ser Arg Gln Gly Ser
162 115 120 125
163 Gly Val Ile Leu Arg Gln Glu Glu Ala Glu Tyr Val Arg Ala Leu Phe
164 130 135 140
165 Asp Phe Asn Gly Asn Asp Glu Glu Asp Leu Pro Phe Lys Lys Gly Asp
166 145 150 155 160
167 Ile Leu Arg Ile Arg Asp Lys Pro Glu Glu Gln Trp Trp Asn Ala Glu
168 165 170 175
169 Asp Ser Glu Gly Lys Arg Gly Met Ile Pro Val Pro Tyr Val Glu Lys
170 180 185 190
171 Tyr Arg Pro Ala Ser Ala Ser Val Ser Ala Leu Ile Gly Gly Asn Gln
172 195 200 205
173 Glu Gly Ser His Pro Gln Pro Leu Gly Gly Pro Glu Pro Gly Pro Tyr
174 210 215 220
175 Ala Gln Pro Ser Val Asn Thr Pro Leu Pro Asn Leu Gln Asn Gly Pro
176 225 230 235 240
177 Ile Tyr Ala Arg Val Ile Gln Lys Arg Val Pro Asn Ala Tyr Asp Lys
178 245 250 255
179 Thr Ala Leu Ala Leu Glu Val Gly Glu Leu Val Lys Val Thr Lys Ile
180 260 265 270
181 Asn Val Ser Gly Gln Trp Glu Gly Glu Cys Asn Gly Lys Arg Gly His
182 275 280 285
183 Phe Pro Phe Thr His Val Arg Leu Leu Asp Gln Gln Asn Pro Asp Glu
184 290 295 300

```

W--> 185 Asp Phe Ser Gly Cys Gly Xaa Gly Leu Glu Val Leu Phe Gln

186 305 310 315

199 <210> SEQ ID NO: 9

200 <211> LENGTH: 326

201 <212> TYPE: PRT

202 <213> ORGANISM: Artificial Sequence

204 <220> FEATURE:

205 <223> OTHER INFORMATION: Recombinant Intermediate

207 <220> FEATURE:

208 <221> NAME/KEY: misc_feature

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209 <222> LOCATION: 311
210 <223> OTHER INFORMATION: Xaa = Lys-[Dapa(Fl)]
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: 325
215 <223> OTHER INFORMATION: Xaa = [Lys-(Biotin)]
217 <400> SEQUENCE: 9
218 Lys Arg Gly Cys Ala Gly Asn Phe Asp Ser Glu Glu Arg Ser Ser Trp
219   1                               5               10               15
220 Tyr Trp Gly Arg Leu Ser Arg Gln Glu Ala Val Ala Leu Leu Gln Gly
221                               20               25               30
222 Gln Arg His Gly Val Phe Leu Val Arg Asp Ser Ser Thr Ser Pro Gly
223                               35               40               45
224 Asp Tyr Val Leu Ser Val Ser Glu Asn Ser Arg Val Ser His Tyr Ile
225                               50               55               60
226 Ile Asn Ser Ser Gly Pro Arg Pro Pro Val Pro Pro Ser Pro Ala Gln
227                               65               70               75               80
228 Pro Pro Pro Gly Val Ser Pro Ser Arg Leu Arg Ile Gly Asp Gln Glu
229                               85               90               95
230 Phe Asp Ser Leu Pro Ala Leu Leu Glu Phe Tyr Lys Ile His Tyr Leu
231                               100              105              110
232 Asp Thr Thr Thr Leu Ile Glu Pro Val Ala Arg Ser Arg Gln Gly Ser
233                               115              120              125
234 Gly Val Ile Leu Arg Gln Glu Glu Ala Glu Tyr Val Arg Ala Leu Phe
235                               130              135              140
236 Asp Phe Asn Gly Asn Asp Glu Glu Asp Leu Pro Phe Lys Lys Gly Asp
237                               145              150              155              160
238 Ile Leu Arg Ile Arg Asp Lys Pro Glu Glu Gln Trp Trp Asn Ala Glu
239                               165              170              175
240 Asp Ser Glu Gly Lys Arg Gly Met Ile Pro Val Pro Tyr Val Glu Lys
241                               180              185              190
242 Tyr Arg Pro Ala Ser Ala Ser Val Ser Ala Leu Ile Gly Gly Asn Gln
243                               195              200              205
244 Glu Gly Ser His Pro Gln Pro Leu Gly Gly Pro Glu Pro Gly Pro Tyr
245                               210              215              220
246 Ala Gln Pro Ser Val Asn Thr Pro Leu Pro Asn Leu Gln Asn Gly Pro
247                               225              230              235              240
248 Ile Tyr Ala Arg Val Ile Gln Lys Arg Val Pro Asn Ala Tyr Asp Lys
249                               245              250              255
250 Thr Ala Leu Ala Leu Glu Val Gly Glu Leu Val Lys Val Thr Lys Ile
251                               260              265              270
252 Asn Val Ser Gly Gln Trp Glu Gly Glu Cys Asn Gly Lys Arg Gly His
253                               275              280              285
254 Phe Pro Phe Thr His Val Arg Leu Leu Asp Gln Gln Asn Pro Asp Glu
255                               290              295              300
W--> 256 Asp Phe Ser Gly Cys Gly Xaa Gly Leu Glu Val Leu Phe Gln Gly Pro
257                               305              310              315              320
W--> 258 Val Arg Lys Gly Xaa Gly
259                               325

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264 <210> SEQ ID NO: 10
265 <211> LENGTH: 5
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Site for Sequential Ligation
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: 5
275 <223> OTHER INFORMATION: Xaa = Cys (Xa-Cys)
278 <400> SEQUENCE: 10
W--> 279 Ile Glu Gly Arg Xaa
280 1 5

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/15/2002
PATENT APPLICATION: US/09/483,543B TIME: 11:47:40

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 3,17
Seq#:8; Xaa Pos. 311
Seq#:9; Xaa Pos. 311,325
Seq#:10; Xaa Pos. 5

VERIFICATION SUMMARY

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L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:304
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:304
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:320
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0